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Introduction

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WHAT STAR ANNUAL INDEXES ARE

These Annual Indexes are edited consolidations of the indexes to the individual issues of *Scientific and Technical Aerospace Reports (STAR)* for the calendar year 1972 (Volume 10, Numbers 1 through 24). For the convenience of the user, they are divided into two sections, each bound separately. Section I contains the Subject Index. Section II contains the Personal Author Index, Corporate Source Index, Contract Number Index, and Report/Accession Number Index. The Annual Indexes supersede the semimonthly and semiannual indexes previously issued during 1972.

Each entry in these indexes includes a group of identifying numbers in the following form: 06 p0765 N72-15379. The first two digits (06) identify the issue in which the document was announced. The "p" and the four digits that follow (0765) refer to the page number, in the designated issue, on which the abstract of the document appears. The next group of numbers (N72-15379) is the NASA Accession Number, a unique identification number assigned by NASA to each document that was acquired, indexed, and announced in *STAR* during the year.

In addition to these identifying numbers, each entry in the Subject Index contains a Notation of Content (a brief description of the contents of the document); each entry in the Personal Author and Corporate Source Indexes contains the exact title of the document.

At the beginning of each index in this cumulation, a typical listing is illustrated with each of its elements identified to assist the reader in using the different types of index entries.

HOW TO USE THE SUBJECT INDEX

Subject terms in this cumulative index are arranged alphabetically and are supplemented with cross-references which are intended to serve as directions that will enable the user to modify, enlarge, or narrow his search in accordance with his specific interests. Two types of cross-references are used:

1. Use (U) references indicate that the subject term is not "postable," i.e., not a valid term, and that the following term or terms are used instead. For example.

COLUMBIUM

U NIOBIUM

ANNULAR JETS

U ANNULAR FLOW

U JET FLOW

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

EMISSION

NT ELECTRON EMISSION

NT NEUTRON EMISSION

NT THERMAL EMISSION

Finally, a searcher should use the notations of content in the index to narrow further his quest for particular items. This is because subject terms can readily refer to more than one class of document. For example:

CATHODES

Cesium plasma cathodes as sources of high intensity electron beams.

Cathode material testing in electrochemical half cells.

illustrates a case where two references on different topics are listed under the same subject term.

HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual issue supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

NEW MEXICO STATE UNIV. LAS CRUCES. DEPARTMENT OF BIOLOGY.

(Corporate source at citation)

NEW MEXICO STATE UNIV. LAS CRUCES.

(Corporate source index entry)

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All personal authors identified in the abstract-section citations in the individual *STAR* issues appear in this index. Differences in transliteration schemes may require multiple searching of the index for variants of an author's name. For example:

EMELIANOV, M. D.

YEMELYANOV, M. D.

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All contract numbers that are identified in the abstract-section citations in the individual *STAR* issues appear in this index. Changes by agencies in the style in which contract numbers are presented may require multiple searching for variants. For example:

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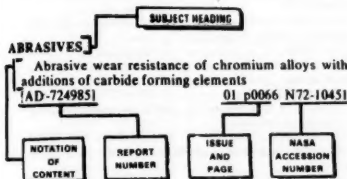
AVAILABILITY OF DOCUMENTS

Information concerning the availability of documents announced in the *STAR* issues covered in this index is found in the Introduction to the most currently issued semi-monthly issue.

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The subject heading is a key to the subject content of the document. The Notation of Content (NOC), rather than the title of the document, is used to provide a more exact description of the subject matter. The report number helps to indicate the type of document cited (e.g., NASA report, translation, NASA contractor report). The issue and page identify the STAR issue in which the document was announced and the page number on which the citation appears. The NASA accession number denotes the number by which the citation is identified on that page. The NOCs are arranged under each subject heading in ascending accession number order.

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NT BARIONS

NT BETA PARTICLES

NT BOSONS

NT CONDUCTION ELECTRONS

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NT MAGNETRONS

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